

THE TECH SHARPENED FOR ITS CONTEST WITH HIRELINGS OF 'SNIQUE

ANNIHILATION OF YEARBOOK LOOMS THIS AFTERNOON

Newsies Primed for Classic
Contest on Tech Field
This Afternoon

TECHNIQUE OUTWEIGHED

Promptly at two-thirty this afternoon the culmination of eleven fond mamas' hopes will take their trembling stand on Tech Field awaiting the furious onslaughts of THE TECH mighty football squad. Bolstered by four substitutes and an occasional partisan on the sidelines, the 'snique fumbler will go into the melee with a sense of relief, fully cognizant of the fact that any survivors of the game will be exempt from further assault and battery for another year.

THE TECH has lost but three men from last year's triumphant aggregation; two of these have graduated and gone to their earthly rewards; the third, Jojo Alkazia, played so poorly in the newsies' lineup a year ago that he has been unconditionally released and will play for 'snique today. It is expected that he will outshine his miserable team-mates, and may eventually be elected to a Voo Doo board position.

At the ends, THE TECH will start Harmin' Truax and Gil Roddy, two of the very best. Truax, the smallest man on the squad, depresses the beam at 250, but is so fast that his frail build is quite concealed in a hazy outline of rapidly moving legs and arms. Roddy, on the other hand, is a tower of strength. He will wear Joe Paul's famous jersey, and thus fortified, will experience little difficulty.

(Continued on Page 3)

HOLD SECOND DORM DANCE THIS FRIDAY

Tickets Now on Sale for Formal
Dormitory Function

For the second time this year, the residents of the dormitories will make merry at a formal dance to be given this Friday evening in the North Hall of Walker. The dance will begin at 9 o'clock, and the festivities are due to cease at 1.

As usual at the dormitory functions, the Collegian Ramblers will supply the music, and according to Juel H. Lensch '30, Chairman of the Committee, the orchestra will be as hot as ever.

Instructor and Mrs. Thomas P. Pitre will officiate as patron and patroness at the affair.

Tickets priced at \$2.50 a couple, may be secured from any member of the Dorm Dance Committee, or at the Dorm Office.

Lump of Coal Attracts Attention of Hundreds

That education and learning do not in the last dull the innate curiosity of the human race has been notably demonstrated during the past few days as countless hundreds stopped between periods, to examine an ordinary lump of coal placed just outside the Chemical Engineering headquarters in Building 2. No magnet could have more attractive powers than this piece of common coal, unusual only because of its large size. The piece is a specimen of bituminous steam coal sent to the Chemical Engineering Department for analysis by the Island Creek Coal Company, of West Virginia and judging from the curiosity shown over its presence, many of our students will, no doubt, immediately dash to the coal field once their school days are over.

Past Results of the TECH-Technique Game

Following are the results of the annual THE TECH-Technique football games since 1915:

Year	THE TECH	Technique
1915	3	0
1916	2	20
1917	0	6
1919	0	0
1920	0	6
1921	0	9
1922	0	19
1923	6	0
1924	0	6
1925	0	12
1926	0	13
1927	0	0
1928	31	0

Flyers Will Meet At Technology to Seek Weather Plan

Professor Sayre Will Preside
—All Airplane Operators
Are Invited

More complete aeronautical weather service will be the purpose of the meeting of the Boston commercial operators who will meet in the Daniel Guggenheim Aeronautical Engineering Building at the Institute Tuesday, November 26, at 5 o'clock. Professor Sayre will preside and Dr. Willis R. Greig, senior meteorologist of the United States Weather Bureau, has been asked to come to Boston to indicate the Government's attitude toward the institution of the so-called California system of weather reporting in New England.

C. D. Ross, meteorologist at the Boston Airport, is to explain the present United States service to flyers. Professor Carl G. Rossby, chief of the meteorological department at Technology, will outline the proposed additions to what the Government now has here.

Will Ask State to Act
The state of Massachusetts will be asked to establish a meteorological committee and similar committees will be sought in the other New England States to work with the United States Weather Bureau but covering areas for which the Federal Government cannot now make provision. Professor Rossby will explain the installations at Colonel E. H. R. Green's South Dartmouth airport which will become a feature of the New England system. Colonel Green is expected to aid the new service. New York state has already set up its own meteorological group and plans early action to supplement the United States Weather Bureau facilities.

Many air lines have had to establish

(Continued on Page 4)

MEMBERS OF LIBERAL CLUB HEAR EDITOR

Moral Attitude of Newspaper
Men Discussed at Meeting

Speaking before a medium sized audience of Liberal Club members and guests, Monday afternoon, in Room 1-190, Gardner Jackson, veteran journalist and editor, gave his views on the subject, "Has the Newspaper Man a Moral Responsibility?"

Having spent years in the service of the Boston papers, including editorial service on the Boston Evening Globe, and the "Lantern", an anti-Fascist monthly, Mr. Jackson drew from his past experiences to bring out to his audience the attitude of the newspaper man in presenting items of moral importance to the public.

Mr. Jackson has been known principally to the public, through his stand as Chairman of the Defense Committee on the Sacco-Vanzetti case, and through his determined anti-Fascist articles which have appeared at various times during the past three years.

Freshmen Will Elect
Class Officers To-
day in the Main
Lobby from 9 to 5

ENGINEER HARRIERS TAKE THIRD HONORS IN N. E. TITLE MEET

Team That Will Meet 'Snique Today



Backfield: Roddy, Smith, Kamy, Houston. Line: Barker, Fahnestock, Connable, Currier, Holst, Harmon, Worden, Truax.

ENGINEER SOCCER TEAM WINS FINAL GAME OF SEASON

Kashemsanta Makes Only
Score in Last Few Minutes
Of Playing

WIND IMPEDES FORWARDS

Technology won its last soccer game this season against Tufts on the Coop field yesterday afternoon by the score of 1 to 0. The deciding score was made in the fourth quarter with only four minutes to play by Kashemsanta, inside right on the Engineer Varsity. This final victory was one of the biggest upsets of the season, because of the crippled condition of the Beaver booters. Technology outplayed their opponents in the first, third, and fourth periods, but were able to score

(Continued on Page 3)

TICKETS READY FOR A. I. E. E. MEETING

Open to Freshmen and Sophomores in Electrical Courses

All freshmen and Sophomores in electrical courses who have not yet secured their tickets to the A. I. E. E. Dinner to be held Friday evening are urged to do so as soon as possible. The dinner will begin at 6 o'clock, and the entire program will be finished by 8, according to the announcement of the committee in charge.

This will be the second of a series of dinner meetings given by the organization each year, for the purpose of acquainting the lower-class men with the opportunities in various electrical fields. The speaker this Friday will be Mr. J. H. Bigelow of the Personnel Department of the New York Telephone and Telegraph Co., who will speak on "An Introduction to the Bell System and Its Work."

Tickets may be secured free of charge from any member of the executive committee, or in Room 4-203 before tomorrow.

BATON HOLDS FIRST DANCE THIS EVENING

All members of the Combined Musical Clubs are invited to attend the dance to be given by Baton this evening at 9 o'clock in the North Hall of Walker. This is the first social function that Baton has held this season.

Dancing is scheduled to last until 1 o'clock, music being furnished by a six-piece orchestra made up of members of the Tectonians. Refreshments, consisting of ice cream and cake, will be served during the evening.

Mrs. William T. Hall will act as patroness at the affair.

Annual Military Ball Friday Night

Institute Chapter of Scabbard
and Blade Sponsors
Fall Affair

Tickets and programs for this year's annual Military Ball, sponsored by the Institute Chapter of Scabbard and Blade, the National Honorary Military Society, may be obtained from 12:00 to two o'clock, in the Main Lobby, today, Thursday or Friday noontimes. The dance, is to be held Friday evening from nine till two o'clock in one of the three new ballrooms at Longwood Towers.

The feature on the evening's program, will be the "tapping," or formal pledging, at midnight of the society's new members for this term. Approximately twenty men are to be pledged by the society Friday evening but the identity of the pledgees is being kept a secret until appointed hour during the dance.

Leo Reisman's orchestra will furnish the music for the evening, and the popular conductor, who will be remembered by those that attended last year's Prom, is to be present in person.

The committee wishes to make it understood, that although programs are being given out, the dance is not to be a program dance, the programs being regarded as favors. All army officers stationed at the Institute, whether Members of the Active or Reserve Corps, are invited to attend.

The patrons and patronesses of the evening will be General and Mrs. Preston Brown, Colonel and Mrs. Edward F. Miller, Lieut. Colonel and Mrs. Robert C. Eddy, Major and Mrs. Robert Arthur, Major and Mrs. Peter Ottosen, and Major and Mrs. Richard Somers. General Brown is the commanding officer in the First Corps Area.

BUSINESS STUDENTS START INVESTMENTS

Erratic Market to Test Ability
Of Corporation XV Men

Buying and selling with the usual excitement of investors, the members of the Stock Investment Association of Corporation XV have begun their annual competition for the prize of a real share of stock. The first investments were made last Tuesday, when the values were not at their minimum. If the investments had started earlier in the year, as it was planned, there would have been substantial losses, but it remains to be seen if the students can increase their artificial sums under the present erratic conditions.

Corporation XV was expecting to have their monthly dinner meeting today, but the speaker for the evening was forced to leave town and the dinner was postponed.

HILL-AND-DALERS WIN THIRD PLACE AT FRANKLIN PARK

Engineers Follow Teams From
Bates and U. of Maine
In Title Meet

FRESHMEN PLACE THIRD

Masters Crosses Tape in Sixth
Place—First Engineer
To Finish Race

Two records were established on the new cross-country course at Franklin Park on Monday afternoon during the annual freshman and Varsity New England Intercollegiate Cross-Country run. In the freshman run the New Hampshire yearlings were the lowest scoring team of the day while Bates ran off with the Varsity first place honors. The Technology runners were in third place in both races.

Bates Has Low Score

In the Varsity run Bates made one of the lowest scores ever turned in at a New England Intercollegiate run, when their runners finished in first place with a score of 30. One of the best exhibitions of team running was also turned in by the Bates aggregation as their runners finished 4, 5, 6, 7, and 8. The next runner for Bates to cross the line came home in eleventh place. Although his score did not count toward the team score, it is an indication of the power that the Bates team has this year.

Maine scored second place in the Varsity run with a total of 52 points. As was the case last year, Lindsay and Richardson crossed the line hand in hand in nearly a dead heat for first

(Continued on Page 4)

DATE OF SOPHOMORE PROM DECIDED UPON

Prom Committee Appointed at
Class Officers' Meeting

Preliminary arrangements for the 1930 Sophomore Prom were made yesterday afternoon at a meeting of the officers of the class of 1932 when Friday, March 28, was chosen as the date. The place will be made public in a later issue of the TECH. Although Walker Memorial was suggested at the meeting, it was thought advisable to consider the success of the Junior Prom before making any decisions along this line.

A Prom Committee was appointed, consisting of the following men: Thomas H. Jenkins, President of the class, who is to have charge of procuring a suitable hall; Thomas E. Sears, Jr., will be in charge of the orchestra; John F. Longley, to have charge of the tickets and publicity; and Richard R. Hall, Treasurer of the class, who will take care of the finances.

The other officers of the class will be, ex officio, assisting members of the committee.

Jokester Tries Humor On Directory Listing

Probably the same humorist who yearly changes someone's term address to Petrograd, Russia, on the directory correction list found other chances to sharpen his wit. Among the vigorous protests from those seeing themselves moved without notice is that of Cecil G. Dunn '30, who, finding his habitation listed as Buckingham Street of Robin Hood fame, instead of Rockingham, requests that all bills be addressed to the former fictitious place, while checks, invitations, and the like be sent to the latter.

FRESHMEN---VOTE TODAY!

A Record of
Continuance
News Service
for 48 Years



Official News
Organ of the
Undergraduates
of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD
D. T. Houston '30.....General Manager
W. F. Howard '30.....Editor
C. Connable '30.....Managing Editor
G. Smith '30.....Business Manager

ASSOCIATE BOARD
R. Davis '31.....News Editor
W. N. Currier '31.....Sports Editor
E. B. Hubbard '31.....Features Editor
E. S. Worden '31.....Make-up Editor
G. M. Roddy '31.....Advertising Manager
H. T. Truax '31.....Business Service Mgr.
J. K. Minami '31.....Circulation Manager

EDITORIAL DEPARTMENT
Editorial Board
L. Verveer, Jr. '30 W. B. Schneider '31

NEWS AND SPORTS DEPARTMENTS
Night Editors
J. W. Bahr '31 M. F. Burr '21
F. C. Fahnstock '30 E. W. Harmon '20
S. C. Westerfield '31

News Writers
A. H. Feibel '32 S. R. Fleming '32
M. S. Hathaway '32 E. P. Newman '32
O. W. Burtner '31 E. F. McLaughlin '32

Photographic Staff
P. H. Bonnet '31 J. P. Elting '31

Sports Writers
O. C. Chapman '31 P. A. Robert '32

Reporters
E. L. Clark '32 M. E. McConnell '33
J. E. Smith '32 R. A. Fuller '32
H. Kamy '31 G. H. Sistare, Jr. '32

OFFICES OF THE TECH
Walker Memorial, Cambridge, Mass.
News and Editorial—Room 3, Walker,
Telephone Univ. 7029
Business—Room 302, Walker,
Telephone Univ. 7415

Printer's Telephone—HANcock 8387 - 88

SUBSCRIPTION PRICE, \$2.50 PER YR.

Published every Monday, Wednesday
and Friday during the College year
except during College vacations
Entered as Second Class Matter at the
Boston Post Office
Member Eastern Intercollegiate
Newspaper Association

BUSINESS DEPARTMENT
Business Service Department
Staff
W. Holst '32 H. Swachman '32
Joseph Valverde, Jr. '32

Circulation Department Staff
L. Cianciolo '32 J. J. Winkler '32
W. M. Moore '32 W. B. Pierce '32
E. D. McLeod '32

Advertising Department
Assistant Advertising Managers
R. H. Haberstroh '31

Staff
L. C. Bond '32 W. H. Barker '32
C. E. McCormack '32 A. Jewell '32
W. B. Simonds '32 E. F. Moran '32
M. D. Triouleyre '32 A. S. Ellis '32
T. E. Sears, Jr. '32

In charge of this issue:

COLLEGIATE PONDEROSITY

THAT the small college in America is doomed to ultimate extinction is the conclusion to which facts point in a recent compilation of statistics by Adam L. Jones, Director of Admissions at Columbia University. Mr. Jones, in a survey of the registrations of the 216 colleges which are on the approved list of the American University Association, found that the percentage of increase in college enrollment has fallen off in the last two years to an "alarming degree". The smaller colleges suffer more acutely in the situation, while the larger institutions still hold their own.

If these facts may be accepted in the light in which Mr. Jones has taken them, we may look for a decided change in the general education schedule in the near future. Mass education can be applied as well as industry on a large scale; public sentiment favors quantity production in the present day, because of the unquestionable advantages it has yielded in the world of business. Yet when applied to the instruction of human beings in the art of living, the problem takes on the multiple aspects of the human equation. It is far from an undisputable fact that education on a grandiose scale can better fit the individual for life.

True, the wealthy and expansive college can provide surroundings of greater beauty to develop the ideals of the student, more complete equipment for the carrying out of elaborate experimentation, and adequate facilities for the development of the student's versatility through activities. Exterior display prompts many of the gifts which make low tuition rates possible, and it is to this end that many of the colleges plan extensive programs of expansion. The modern student is often spurred into activity by the realization that his college is one of the greatest in the country, and leaves not a stone unturned to provide equipment and instructors of the highest efficiency.

Still the small college has numerous features that make it almost indispensable in the field of modern education. The intimacy of association, both among the students and between the faculty and the students, prevents the great ideal of education from being lost in the face of the search for knowledge in the strictly utilitarian sense. Education aims not only to create men and women who will receive large salaries, but also to teach men and women to live fruitful lives in a pleasurable way. The expenses of a student at a small college are far below those of a university student, where the surrounding merchants and vendors have learned that money has little value to the average collegiate. The dearth of the small college would mean the restriction of higher education to the well-to-do.

SCIENTIFIC PHILOSOPHY

ALBERT EINSTEIN, the great mathematician, is reported to be exceedingly humble in his outlook on the world. "The nature of reality itself," he says, "we do not know. We know so little of life itself. We cannot even be sure of determinism. We cannot label reality."

When Sir Isaac Newton said that he felt like a boy playing on the seashore, diverting himself with pebbles, while the great ocean of truth lay all undiscovered before, he thought he knew what pebbles were. Today, even the pebbles would be regarded as a mystery.

Descartes, one of the founders of modern philosophy, thought he had exhausted all the possibilities of doubt and got down to fundamentals when he finally arrived at the formula, "I think, therefore I exist." But the modern psychologist isn't so sure. "Thinking goes on," he would say, "therefore a stream of thought exists." As to the "I" who does the thinking, he would shake his head; a complicated problem.

The nature of reality, Einstein says, we do not know. Philosophers have long puzzled over the problem. Long ago Kant suggested that we could not know the nature of the "thing-in-itself." He believed the mind was a kind of sorting machine. A multitude of impressions beat in on it through the eye, the ear, and the other sense organs. Out of these the mind constructs what we know as the world. A creature with a different sort of brain and different sense organs might construct an entirely different world.

Hunter College in New York has five thousand more students this year than were enrolled in the college last year. Many of the students attend night sessions.

The Kemalist government of Turkey has again faced westward in ordering that Latin, Greek and English replace Arabic and Persian in Turkish schools.

"Customed to Don or
Customed to Measure"



Present!

A roll call of
the outstanding
Universities would include with
most interesting frequency the
names of wearers of distinctive
Clothes by **LANGROCK**.



LANGROCK

HARVARD SQUARE
1436 MASS. AVE. CAMBRIDGE

J. C. Chapard, Tech. Repres.
Tech. Representative



The Scots once brought us
some cheviot cloth that was
specially woven for strength.

We suggested that specially
long wool, extra tightly twist-
ed, might make the fabric
even stronger without mar-
ring its beauty.

And so it was!

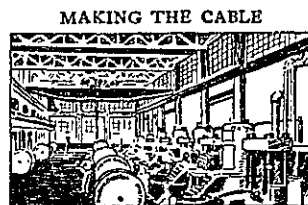
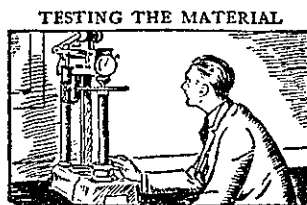
Result—our Tweedmoor*
cloth; hand worked into sack
suits, it makes ideal all-round
clothing that you can wear
and wear and wear.

\$65.

*Reg. U. S. Pat. Off.

ROGERS PEET COMPANY

formerly
Macular Parker Company
Tremont Street at Bromfield



Winning the war against weather

In the telephone business, research man, manufacturing engineer and construction supervisor are carrying on a successful war against the unruly elements, enemies to service.

Cable, for example, housing many circuits and covered with protective coatings

of proved strength, withstands storms which might seriously threaten open wire lines.

Thus in the Bell System growth is intensive as well as extensive, improving present facilities as well as adding new ones. And there is no end to all this development.

BELL SYSTEM

A nation-wide system of inter-connecting telephones



OUR PIONEERING WORK HAS JUST BEGUN"

FIRST GYM TEAM RALLY DINNER TO BE HELD TONIGHT

Navy and Princeton are Among
Opponents on Schedule
For Spring

FOREST TO ADDRESS MEN

Walker Grill will be the scene of the first Gym Team banquet tonight at 6:30. These banquets are given throughout the year to stimulate interest in gym activities at Technology, and especially to acquaint the freshmen with their opportunities in this sport. Popular speakers are invited to the banquets to give talks on what the team has done in the past, and to give a review on the prospects of the present team.

Coaches Will Speak

Among the men that have been invited to speak at the first banquet this year are Coach Forest and Assistant Coach Dolloff. Dolloff is an Institute undergraduate who holds three intercollegiate championships in tumbling, while Forest is an Annapolis graduate who takes up the duties of coach of the Institute team for the first time this year.

McLaren to Speak

Captain Wells will also give a short talk to the new men at the dinner. McLaren, last year's manager and winner of the Schwarz medal this year for the best work among the Institute managers, will also address the candidates. Henry P. McCarthy, of P. T. fame, will tell the freshmen how they may avoid the "monkey drill" next term by turning out for one of the Institute's most promising sports.

Seven Meets Scheduled

This year there are seven meets and two exhibitions scheduled for the team. Of these, two will be held in the home gym in Walker. They are the meets with Navy and Princeton. In preparation for this schedule of meets the team has been working to round itself into shape this fall under the tutelage of the head coach and the undergraduate assistants. A number of men were lost to the team last June through graduation and ineligibility but the team that is on the floor now promises to be equally as strong as the 1928 team.

Among the Sophomore gymnasts, Freeman on the high bar, Ashley on the rings, and Barnett on the parallels are showing up best. Knapp on the side horse and Wells in the all-around and on the high bar are continuing the same good work that they did last year for the Varsity squad.

MARSTERS WILL NOT PLAY FOR 'SNIQUES

(Continued from page 1)
culty in crushing one side of the yearbook's line.

Wild Bill Barker and Poosh-em-up Worden at the tackles are two old hands at the manly sport. Barker personally incapacitated five freshmen last Field Day, while Worden is well known as the "News Room Terror."

Two stellar guards in the persons of Connable and Harmon lend weight and dignity to the newsboy team. Harmon, who is as broad as he is long, fills a large opening and covers much ground, while Connable, who is something of a practical joker will allow nothing to deprive him of a little clean fun at someone else's expense.

Too much cannot be said about the notorious Verveer, who frolics around in the center position.

The incomparable backfield boasts four notables in Four-Yards Davis, Bearcat Houston, Greg Smith, the well known mortician, and Hairy Kamy. These gentlemen will start the game, but will give way to others practically as potent as soon as a safe lead has been rolled up. Davis will probably alternate at quarterback with Roddy, so that both men may be eligible for national high-scoring honors. Houston gives ground like a typical Scotchman, but is always alert to scent an opportunity to pick up a little for himself. Smith is a good punter, passer and general all-round triple threat and looks the part to perfection. Kamy is an exceptional player, possessing the unusual characteristic of uni-directional vision; that is, he can only see in one direction—straight ahead—and has never been known as one who travels at an angle to his line of vision.

Numerous substitutes will be on hand and will see service if 'snique is capable of lasting through the four ten-minute quarters.

The 'snique squad is composed of starrattwhitakerstarrporterwymanbotzowdantonimareanpaltzmorrisloustan-uhelmvyekazin and Lyon.

Head Man Pattison of the T. C. A., a just and fearless man, will dispense justice as referee. Following the slaughter, to which the public is gleefully invited, 'snique's survivors will entertain THE TECH's gridders at a banquet at the Engineers' Club. Starratt's managing board requests no flowers.

Varsity Soccer Team Wins Final Game From Tufts

Technology Misses Many Shots
At Jumbo Goal Because
Of Heavy Wind

(Continued from page 1)
only in the last few minutes of play.

A strong north wind, and a slippery field considerably hampered the forwards of both teams, making the game appear ragged when either eleven started an offensive. Technology led in the first quarter, making many tries at the Tufts goal, which were stopped by Miller, the fast Jumbo goalie. The Tufts team was unable to break through the M. I. T. defense in the first session, and the period ended with neither team scoring.

Tufts rallied in the second, and broke through several times, but their shots at the M. I. T. goal were stopped by Wyman, now playing at goal in place of Ayres. Although the Jumbo booters had the ball near the Engineer net most of the period, they were unable to score. The Beavers were also held scoreless, most of their attempts being stopped by the Jumbo defense.

M. I. T. Misses Shots

Technology missed seven consecutive corner kicks in the third session, most of their shots missing the net by inches. The inaccuracy of the forwards on the Engineer eleven saved the Tufts team, which was tiring under the heavy fire of the Beaver forward line, from being scored against. Tufts carried the ball to the Engineer goal several times in the period, but they were unable to break through for a clean shot to score.

Having outplayed the Jumbo eleven in the third, Technology led the offense in the last period, and kept the ball in front of the Tufts goal for a greater part of the session. In the final minutes of play Kashemsanta sent one into the net after several attempts for the only score of the game, making the score 1 to 0 as the final whistle blew.

The lineups were as follows:

M. I. T. Varsity	Tufts
Ayres, goal	Miller, goal
Cooper, rfb	Myers, rfb
Kiehl, lfb	Milligan, lfb
Serrano, rcb	Ricketts, rcb
Pragiacomo, chb	Zapolsky, chb
Newman, lhb	Urban, lhb
Youngson, or	or, Mott
Kashemsanta, jr	or, Young
Schulze, c	c, Mendon
Volz, il	il, Reid
Axford, ol	ol, Swindolo

Referee: Carnathan. Substitutions: for M. I. T., Wyman for Ayres.

FIRST-YEAR BOXERS COMMENCE PRACTICE

Coach Rawson Predicts Bright
Season for Freshmen

After watching the freshman boxing squad in their practice for the last three weeks, Coach Rawson expects great things from the squad in their matches this winter. Due to the fact that many of the freshmen have not done any boxing before, practice started earlier for them in order to get their muscles limbered up and to teach them the fundamentals of boxing. In early practice they are shaping up very well and should have a successful season. The Varsity boxers are beginning to turn out now and within a few days the entire squad should be at the Hangar. The first matches will be on January 18, although the opponents have not yet been decided.

As We See the Movies

LOEW'S STATE

"Untamed," the current picture at Loew's presents Joan Crawford in a new role. She starts as a girl from the wilds of the South American jungles, and with all her primitive mannerisms still attendant, she is cast upon New York's highest society. Impossible situations are rife, though their character is so novel that they furnish amusement.

Joan Crawford's naturally voluptuous acting is heightened in effect by the character of her role, and is aided by the natural qualities of her talking and singing voice. The chief defect of the show is the fact that she is engaged in chasing the hero in competition with another woman.

Ernest Torrence plays the part of the blustery Scotchman who is Joan's guardian, and with accents and mannerisms that are 100 proof he is unquestionable the best actor of the picture. The leading man, Robert Montgomery, is likeable and does his part well, but is handicapped by missing the opportunity of showing his ability.

In short, it might be said that if you like Joan Crawford's pictures, the show will please you, and even if you do not favor her type, the rest of the picture makes it worth seeing. The vaudeville, grouped together into one piece called "Variety" is a fair presentation of this type of art.

CLEARY WINS NET TITLE DEFEATING DAME IN FINALS

Capt. Wigglesworth Falls a
Victim to Winner in
Semi-finals

STEADINESS WINS MATCH

Steady playing and perseverance over a period of several years won the Technology tennis championship for J. M. Cleary '30 on the Longwood Cricket Club courts Sunday. Cleary defeated F. Dame 6-3, 2-6, 6-4 by conservative playing in the pinches and a smashing attack when given an opening in Dame's excellent service and powerful drives.

Time after time Cleary drove the ball deep to Dame's backhand to escape the necessity of meeting his opponent's bullet-like drives. Dame was seeded number four this year and showed that the place was won by his ability on the courts.

Cleary Wins Semi-finals

Cleary's real test came in the semi-finals, when he was matched with Captain Wigglesworth who desired to wipe off his defeat by Doleman last year in the finals. Cleary also had a defeat in the previous tournament to redeem when he was downed by Doleman, winner of the tournament. The keen determination of each man to be crowned 1929 champion is easily seen in the scores of the match. Wigglesworth was defeated 10-8, 7-5, 6-4. Dame's service and forehand drives were similar to those of Wigglesworth, so that Cleary faced a like attack in the semi-finals and finals.

As far back as 1927 Cleary made (Continued on Page 4)

150'S WILL ROW AT ANNAPOLIS REGATTA

Light Varsity Eight to Meet
Navy for First Time

Arrangements have recently been completed for a spring race between the Technology 150-pound Varsity crew and the light Navy eight. Due to this agreement with the Naval Academy, the race will be held in conjunction with the scheduled regatta on April 19, when the Varsity and Jay-Vees meet Navy and Columbia at Annapolis.

This is the first time that the light oarsmen have had a race with the Midshipmen on their schedule. For this reason the event will be of special interest to prospective crew candidates in that class. In addition to the Navy race, the 150's will follow the schedule as previously arranged, racing Harvard on the Charles and Princeton on the Tigers' course.

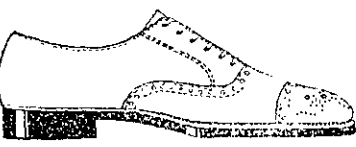
Workouts are being held daily at 5 o'clock for all Varsity and freshman candidates who report at the Boathouse. All men who are interested in rowing are strongly urged to report to Coach Haines in order to keep in condition throughout the winter. Members of the 150-pound squad are especially desired at the Boathouse, as the excellent schedule planned for them warrants a large amount of practice.

Correction

Several students are at present very indignant at THE TECH, as a result of a Calendar notice in our last issue, announcing a Chemical Society Smoker on Monday evening. The mistake occurred through an inaccuracy in the records of the Walker Memorial Committee from which THE TECH secured its information, who had scheduled the smoker to take place at that time. The meeting was later postponed, and no correction was made in the Committee's list, thereby causing the misunderstanding.

FRANK BROTHERS

Fifth Avenue Boot Shop
Between 42nd and 43rd Streets, New York



CAMBRIDGE SHOP

252 Abbott Bldg., Harvard Square

New TUXEDOS

FOR HIRE \$1.50 AND UP

READ & WHITE

111 Summer St., BOSTON 93 Mass Ave.
Woolworth Bldg., Providence, R.I.
TUXEDOS / FULL DRESS / CUTAWAYS / SHIRTS / ETC.

It's TRAFFIC FILM

that hides the lustre of your car

THAT dull, dirty coating which accumulates on the finish of your car is Traffic Film—a result of modern highway and traffic conditions. There is only one sure and harmless way to combat Traffic Film, to retain the original lustre of the finish, or to bring that lustre from under the dull coating which sometimes covers it.

An Auto Polish Made to Combat Traffic Film

No. 7 Duco Polish is made by du Pont, the makers of Duco. It is made specifically to Combat Traffic Film, which soap and water cannot remove. It is a neutral polish, with no harmful abrasives. It quickly penetrates and loosens the Traffic Film—"puts the skids under" the dirt particles—and, almost without effort, you wipe away the dull coating which formerly resisted the most strenuous scrubbing.

No. 7 Duco Polish revives the color, restores the lustre, and leaves a dry, hard surface which sheds dust. Once again the finish glistens, the high lights gleam, and your car looks as new as when you bought it.

Traffic Film is Forming on Your Car Today

Modern Motoring conditions have created Traffic

du Pont 7 POLISH

du Pont 7 AUTO TOP FINISH

du Pont 7 NICKEL POLISH

MADE BY du PONT, THE MAKERS OF DUCO

Film. Minute particles of oily, sticky dirt are constantly settling on your car—in the city streets, on the country roads, and even in your own garage. These particles collect dust, and, baked by the sun and the heat, are cemented together to form a hard, dull film on the finish. This Traffic Film is forming on your car today.

Buy a can of No. 7 Duco Polish and use a little every week or two. If you prefer to have your car polished by the garage man, ask him to use No. 7 Duco Polish, to restore the beauty of the finish. No. 7 Duco Polish will not only protect the finish against Traffic Film, but will keep it new and gleaming, season after season.

Leading automobile manufacturers recommend No. 7 Duco Polish and many of them put samples in all their new cars. Look for the sample can in your auto tool kit.

Du Pont, the makers of Duco, have developed two other products to make your car more beautiful. No. 7 Auto Top Finish will waterproof the top and bring back its original lustre. It is also an excellent dressing for spare tires and tire covers.

No. 7 Nickel Polish cleans and brightens radiators and lamps. It is also an ideal polish for metal surfaces of all kinds in the home.

E. I. du Pont de Nemours & Co., Inc.,
General Motors Building,
Detroit, Michigan

NOTICES - ANNOUNCEMENTS Of General Interest

Faculty Club Luncheon Meeting **Mr. Eugene C. Hultman '96**
Wednesday, November 20, 12 M., Walker Memorial,
Faculty Dining Room

Mr. Hultman, Fire Commissioner for the City of Boston, will be the speaker at the Faculty Club Luncheon Meeting. The subject of his talk will be "Fire."

CALENDAR

Wednesday, November 20
2:30—THE TECH-Technique Football Game, Tech Field
8:00—Baton Society Dance, North Hall, Walker
Thursday, November 21
7:30—Tech Show Rehearsal, Walker Gym
8:00—Armenian Club Dance, North Hall, Walker
Friday, November 22
6:00—A. I. E. E. Dinner Meeting, North Hall, Walker
8:00—Dorm Dance, North Hall, Walker
9:00—Bowery Dance, Rogers Building
9:00—Military Ball, Longwood Towers

'The Arteries of Industry' Shown To Chem. Society

**Educational Picture Explains
The Manufacture of
Steel Tubing**

An educational picture, entitled "The Arteries of Industry" was presented by the Chemical Society last Thursday afternoon in Room 10-250. This picture, lent by the National Tube Company of Pittsburgh, Pa., depicting the manufacture of steel tubing from the time the ore is mined until the finished product is shipped to the user.

The presentation opens with an outline of the crude methods used by the ancients to transport fluids, such as the first crude tubes, bored logs and old gun barrels. Then the picture goes immediately into the various steps in the manufacture of the modern steel pipe. First is shown the mining of the ore in open pit mines, and its transportation to the several blast furnaces. There was a representation of the gigantic cranes, used to unload the ore-ships on the Great Lakes, of the spectacular Bessemer process, and many other stages in the manufacture of steel.

Two Important Processes

The third and fourth reels of the picture showed the manufacture of the pipes. The two principal processes used by the National Tube Co., namely the butt-weld process, used in the manufacture of small pipes and the lap-weld used to make medium sized pipe were shown in full detail. In the first process the two edges of the skelp are forced together by being drawn through a bell shaped die. This forms a weld sufficiently strong for most pipes used in the conveyance of water and gas in dwellings and commercial buildings.

In the lap-weld process the skelp is first heated and bent with the edges overlapping and is then welded by being passed between two revolving rolls, so grooved as to form an opening between them that is approximately the same size as the finished pipe. In this opening is held a bullet shaped mandrel about the same size as the inside diameter of the pipe. When the bent skelp passes between this mandrel and the rolls the overlapping edges are firmly pressed together. The picture concluded by showing some of the widely varying uses of steel pipe and tubes.

MORLEY LECTURES CONCLUDE TONIGHT

"John Viscount Morley and his Indian Reforms," a series of lectures given under the auspices of Lowell Institute by Francis W. Hirst, author of "Early Life and Letters of John Morley," will be the title of the concluding lecture to be given tonight at 5 o'clock in Huntington Hall, Rogers Building, Boston. Tickets for this and any other lectures sponsored by Lowell Institute may be secured by applying to the Curator, 491 Boylston street, Boston.

ARTHUR W. DEAN TO TALK ON HIGHWAYS

"Massachusetts Highways," an illustrated lecture by Arthur W. Dean '92, chief engineer of the Massachusetts Department of Public Works, will be the topic at a meeting of the Boston Society of Civil Engineers that will be held in Chipman Hall of Tremont Temple, tonight at 7:15 o'clock. A buffet supper will be served at 6:15 o'clock in the rooms of the Engineering Societies of Boston, 715 Tremont Temple, for which a charge of 35 cents for members and 50 cents for guests will be made.

Notices—Announcements

SOPHOMORE FOOTBALL

The squad will have its Technique picture taken, in uniform, on Friday, at 5:30 o'clock. Jerseys will be given out in the track house.

FRESHMAN ARCHITECTS

There are very good opportunities for freshman Architects in the Publicity Department of the T. E. N. Inquire at the office in Walker Memorial basement, or call Regent 4475 and ask for Wood.

IN THE INFIRMARY

Following is a list of Technology students who are confined to the Infirmary and local hospitals as of Monday evening.

At Homberg Infirmary—
Frank J. McKenna '30
Frederick D. Merrill, Jr., '29
William Roberts '31
J. Rolph
Miss Mary E. Purcell '30
At Brooks Hospital—Hugh D. McClellan '32
At Homeopathic Hospital—Wilbur B. Huston '33
At Waltham Hospital—Riccardo E. Serrano '33

With the cooperation of the Infirmary, this list will be run regularly. It is felt that this will make things more pleasant for those who are confined, by informing their friends of their location and confinement.

N. Y. STATE HAS OWN WEATHER SERVICE

(Continued from page 1)
their own weather services due to the inelasticity of the Government funds which have prevented the immediate expansion of official weather systems. In time the whole business will be handled by the Federal Government.

Hourly Weather Broadcasts

The new radio station on Castle Island is broadcasting hourly flying weather reports on the hour, using wave lengths which the ordinary radio will not receive, but small inexpensive sets can be purchased which will. Later, when television is developed further, hourly weather maps will be broadcast.

Any persons owning or operating airplanes in New England are welcome at the meeting. Before the meeting, Professor Rossby will show those present the aerological equipment at Tech, and Professor Sayre will arrange for a visit through the entire aeronautical engineering department. Among those expected to attend are Airport Manager Albert L. Edson, Major Louis Boutwell, Captain C. W. Ford, Lieutenant Marshall R. Greer, representing the National Guard, Army, and Navy flyers, officials of East Coast, Colonial, Curtiss, Skyways, Dennison, Old Colony, independent pilots and operators, Theodore Holcombe of the Boston Chamber of Commerce, Weather Bureau officials, Army and Navy flyers and any out-of-town aviation people who may happen in at the time.

HARVARDIANS WILL PLAY AT 1930 BALL

Roy Lampson and his Harvardians have been secured by the Senior Dance Committee to play at the Senior Fall Dance which will be held in the Main Hall of Walker Memorial on December 13. This will be the second Technology social function at which the Harvardians have furnished the music this year, having previously played at the Interfraternity Dance held last Friday.

Tickets for this dance will be distributed free to Seniors some time in the near future, the exact date of which will be announced later. This is a restricted dance and only Seniors will be admitted.

YEARLING RUNNERS WIN THIRD PLACE IN FRESHMAN RACE

**Thorsen Clinches Ninth Place,
While Gilman Comes in
Thirteenth**

BATES WINS N. E. TITLE
**New Hampshire Yearlings
Nose Out Bates, Technology
For Laurels**

(Continued from page 1)

place. The judges decided in the reverse order from last year and gave Richardson the first place honors while Lindsay received credit for second place.

Thorsen And Gilman Score

Thorsen and Gilman were the two first men to cross the line for Technology. Thorsen was in ninth place while Gilman came in thirteenth. Baltzer took twenty-third place for the Engineers while McSheehy took twenty-eight. McNiff completed the scoring for the Engineers when he crossed the line in thirty-fourth place, bringing the team score down to 107.

Brown, Holy Cross, and Williams failed to show up for the start of the meet and thus did not compete in the run. All the other scheduled teams put in an appearance and took part in the meet.

Bates Men Finish Together

Norman Whitten took the first place in the run for Bates. He came in fourth in the race. Fifth place was taken by Wallace Vilas of the Bates team. Sixth, seventh, and eighth places were all taken for Bates by Hobbs, Cushing, and Hayes respectively. Stuart Jones came home in eleventh place, but his score did not count toward the Bates total as five men had crossed the line with Bates colors before he put in his appearance.

New Hampshire took fourth place in the meet with a total score of 121 points. Hazen was the first Wildcat to cross the line when he came home in third place. Lazure was next, taking nineteenth, and immediately behind him came his team mate Richardson, to be credited with twentieth. In thirty-third place came the Wildcat Sophomore runner, Noyes. The last runner to score for the New Hampshire aggregation was Moore, when he crossed the line in forty-sixth place.

Jellison Injured

In spite of the fact that their star runner was forced out of the race early in the grind, Northeastern romped home to take fifth place. Jellison was forced out of the race early in the run when he turned his ankle and sprained it. He was adjudged the best runner that the Huskies were putting on the field so it is a question as to whether or not his injury had any effect on his team's total score. Sheridan was the first Husky home when he followed Gilman to take fourteenth place. Fischer, Elliot, Greenleaf, and Bradford finished in that order to complete Northeastern's score of 164.

Varsity Time Good

The time for the Varsity race was very good considering the mud and water that the runners were forced to wallow through to complete the run. Richardson and Lindsay finished in 27 minutes, 35 3-5 seconds, while Hazen came home in 28 minutes, 12 2-5 seconds. Close behind him came Whitten in 28 minutes 13 seconds. Thorsen's time for the race was 28 minutes, 54 seconds, while Gilman came home in 29 minutes, 6 seconds.

In the freshman race two more Maine runners crossed the line hand in hand. They were Haskell, who was given fourth place, and Booth, judged to be slightly behind his teammate. Jordan finished in first place for Bates in 17 minutes, 6 1-5 seconds. Cummings took second place for Tufts in 17 minutes, 22 seconds. One fifth of a second behind him was DeMouplied of New Hampshire, who set a record for the old Franklin Park course last week in the dual meet with the Engineer Harriers.

Good Sportsmanship Shown

A good example of sportsmanship was shown in the yearling race when Taggart and Foster of Tufts crossed the line in almost last place supporting a teammate who had become winded earlier in the race. The three men crossed the line together, the two above-mentioned men supporting the third.

Bates took second in the yearling race while the Technology harriers came home in third place. Masters took sixth place for the Beaver freshmen while McKay was in eighth place. Paine came home fourteenth and Damon twenty-first. Stalter completed the yearlings' score when he took twenty-fourth place. Although his score did not count, Kessler did creditable work in taking twenty-sixth place for the Beaver team.

DISCUSS RESEARCH IN AERIAL ATTACK

**Army Ordnance Association
Addressed by Artillery
Authorities**

Anti-aircraft artillery developments and ammunition research results featured the talks given by Major G. M. Barnes, Ordnance Department of Watertown, Massachusetts, and Major H. M. Brayton, Ordnance Reserve of Picatinny, New Jersey, before the Boston Post Army Ordnance Association last Friday in room 5-330.

Major Barnes explained the electro-mechanical robot which controls the anti-aircraft fire system presenting radical departures from present classical standards, and which promises to lead the way toward a new period in the history of artillery. Perhaps equally important in post war gun development is the introduction of replaceable liners which enable a crew to renew a gun's accuracy on the field of action. If not for this the life of a three inch high velocity anti-aircraft gun would approach only three thousand rounds.

Intensive tests over a five year period during which some twenty thousand rounds of ammunition have been fired at targets towed by bombers has demonstrated the accuracy of anti-aircraft fire. The "metal mike" comprises a series of devices so that men at the gun have only to observe the deviations while the gun is automatically pointed. One tractor type carrying four fifty-caliber anti-aircraft guns each shooting six hundred rounds per minute is equipped with such automatic pointing apparatus. This device solves four dimensions, namely; the three dimensions of space to the objective, and the time element of the fuse.

Major Brayton revealed some of the latest ammunition developments including those in flashless powder. A super-sensitive fuse contained in a shell will explode it instantaneously upon contact with so fragile a medium as the fabric of an aeroplane wing.

Cleary Defeats Dame in Finals of Net Tourney

**Winner is Eligible for Team
In Spring—Schedule is
Nearly Complete**

(Continued from Page 3)

his presence felt when he defeated Captain Kuki in the tournament of that year. Since that time he has progressed steadily and next spring Technology's rivals on the tennis courts will face a steady player and an experienced one in Cleary. Captain Wigglesworth and Dame will also add strength and power to the team.

This is the first time in the past three years that the winner of the tournament is eligible for the tennis team. Doleman and Kim, previous winners, had both played on the teams of other colleges.

The schedule for 1930 is being arranged, and thus far matches with Amherst, Williams, Springfield, Yale, Tufts, Brown, and Wesleyan have been secured. Harvard and Boston University will probably complete the schedule.

All freshmen and Sophomores interested in the management are requested to leave their names and addresses in the tennis mailbox in the M. I. T. A. office.

PRESCOTT TO TALK TO PITTSBURG GROUP

Old songs, good cigars, entertainment, speakers, and cards will follow the second regular monthly dinner of the Technology Club of Western Pennsylvania, which will be held in Pittsburgh. The main talk of the evening will be given by Professor Samuel C. Prescott '94, President of the Faculty at the Institute, who will discuss Technology affairs in general and acquaint the graduates of the progress being made here. Professor Prescott will return soon after the talk.

A summary of the meet follows:

Varsity

1. Bates—30
2. Maine—52
3. M. I. T.—107
4. New Hampshire—121
5. Northeastern—164
6. Rhode Island State—168
7. Tufts—187
8. Connecticut Aggies—191
9. Amherst—232
10. Massachusetts Aggies—235
11. Boston University—244

Freshman

1. New Hampshire—57
2. Bates—67
3. M. I. T.—73
4. Tufts—85
5. Maine—86
6. Northeastern—148
7. Rhode Island State—151

WHY BUY NEW?
We can make your Shoes and Hats
Look Like New
ECONOMY SHOE REPAIR
Special Prices to Students
First Class Shoe Shine
300 Main St. Corner Carleton St.

CROSTON & CARR CO.
Clothing, 72 Summer St.



TO RENT

For Rent

Collegiate

TUXEDOS

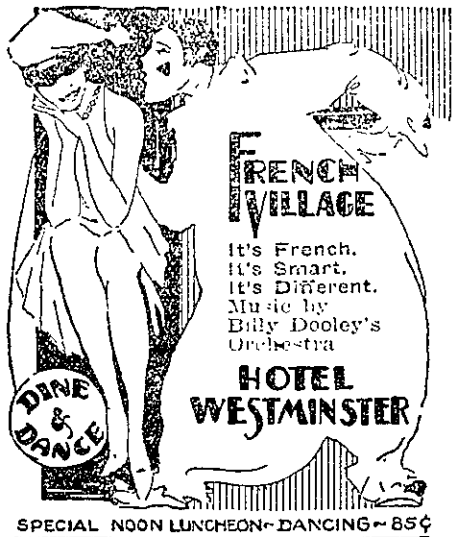
WITH
SILK VEST

\$1.50

Complete Outfitters



**TECHNOLOGY
DINING HALLS
Walker Memorial**



SPECIAL NOON LUNCHEON—DANCING—85¢



**Free
MASSAGE INVIGORATOR**

with each \$1.00 Bottle of

**NAAMAN'S
HAIR PETROLE**

ALL THE VIRTUES OF PETROLEUM
WITHOUT THE DISAGREEABLE ODOR

Promotes the Growth
and Stops Dandruff

**SIMPLEX
WIRES and CABLES**

**INSULATED WITH RUBBER
PAPER OR VARNISHED
CAMBRIC**

SIMPLEX WIRE & CABLE CO

Manufacturers

201 DEVONSHIRE ST., BOSTON

BRANCH OFFICES

CHICAGO SAN FRANCISCO
NEW YORK CLEVELAND
JACKSONVILLE